查询SY100E122供应商

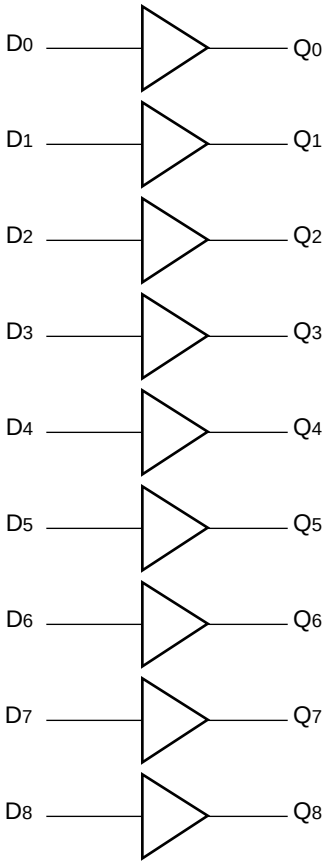
FEATURES

- **500ps max. propagation delay**
- **Extended 100E V_{EE} range of –4.2V to –5.5V**
- **Fully compatible with industry standard 10KH, 100K I/O levels**
- **Internal 75KΩ input pulldown resistors**
- **Fully compatible with Motorola MC10E/100E122**
- **Available in 28-pin PLCC package**

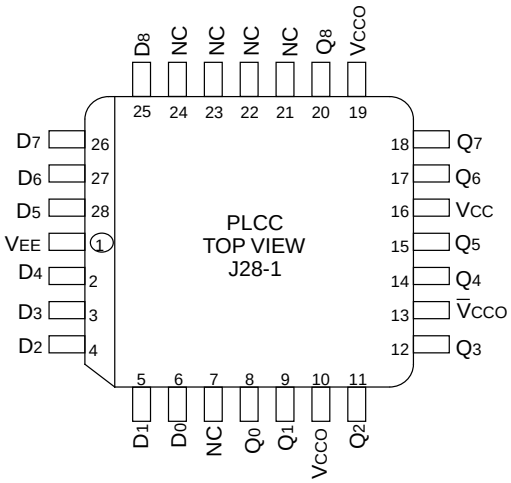
DESCRIPTION

The SY10/100E122 are 9-bit buffers designed for use in new, high-performance ECL systems. The E122 provides nine non-inverting buffers.

BLOCK DIAGRAM



PIN CONFIGURATION



PIN NAMES

Pin	Function
D_0-D_8	Data Inputs
Q_0-Q_8	Data Outputs
V_{CCO}	V_{CC} to Output

DC ELECTRICAL CHARACTERISTICS

V_{EE} = V_{EE} (Min.) to V_{EE} (Max.); V_{CC} = V_{CCO} = GND

Symbol	Parameter	T_A = –40°C			T_A = 0°C			T_A = +25°C			T_A = +85°C			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
I_{IH}	Input HIGH Current	—	—	200	—	—	200	—	—	200	—	—	200	µA
I_{EE}	Power Supply Current													mA
	10E	—	41	49	—	41	49	—	41	49	—	41	49	
	100E	—	41	49	—	41	49	—	41	49	—	47	57	

AC ELECTRICAL CHARACTERISTICS

V_{EE} = V_{EE} (Min.) to V_{EE} (Max.); V_{CC} = V_{CCO} = GND

Symbol	Parameter	T_A = –40°C			T_A = 0°C			T_A = +25°C			T_A = +85°C			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
t_{PLH} t_{PHL}	Propagation Delay to D to Q	150	350	500	150	350	500	150	350	500	150	350	500	ps
t_{skew}	Within-Device Skew D to Q[1]	—	75	—	—	75	—	—	75	—	—	75	—	ps
t_r t_f	Rise/Fall Time 20% to 80%	300	425	800	300	425	800	300	425	800	300	425	800	ps

NOTE:

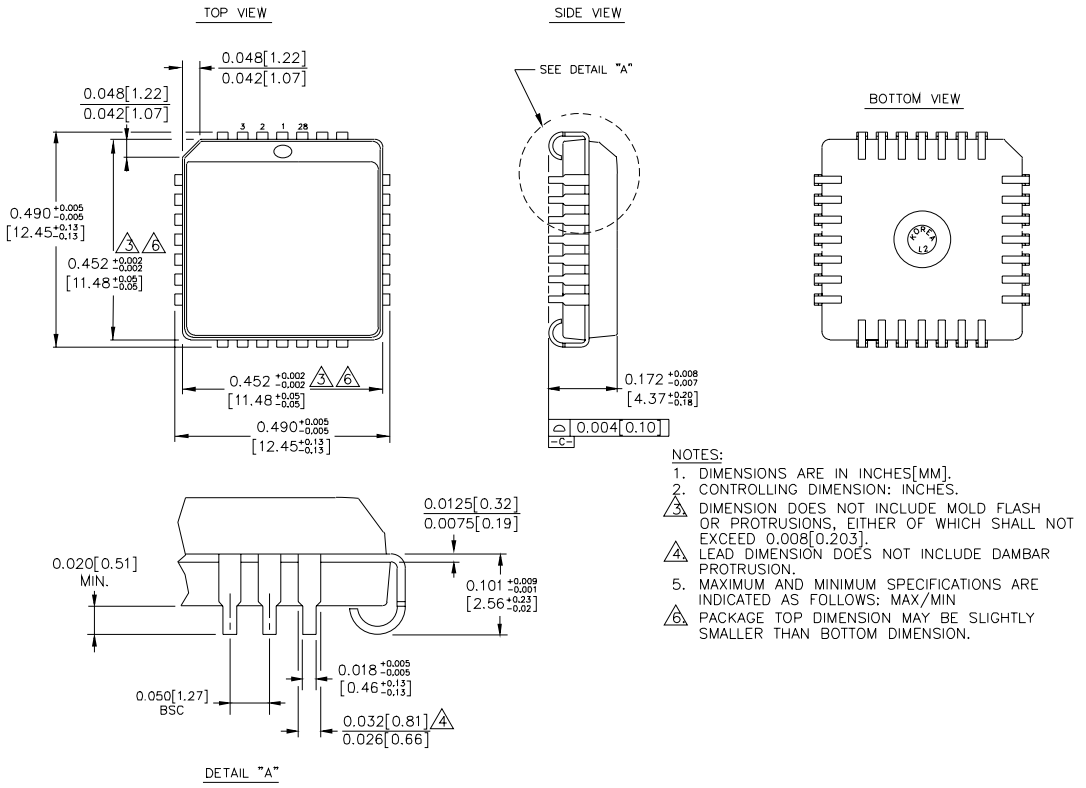
1. Within-device skew is defined as identical transitions on similar paths through a device.

PRODUCT ORDERING CODE

Ordering Code	Package Type	Operating Range
SY10E122JC	J28-1	Commercial
SY10E122JCTR	J28-1	Commercial
SY100E122JC	J28-1	Commercial
SY100E122JCTR	J28-1	Commercial

Ordering Code	Package Type	Operating Range
SY10E122JI	J28-1	Industrial
SY10E122JITR	J28-1	Industrial
SY100E122JI	J28-1	Industrial
SY100E122JITR	J28-1	Industrial

28 LEAD PLCC (J28-1)



NOTES:
1. DIMENSIONS ARE IN INCHES[MM].
2. CONTROLLING DIMENSION: INCHES.
3. DIMENSION DOES NOT INCLUDE MOLD FLASH OR PROTRUSIONS, EITHER OF WHICH SHALL NOT EXCEED 0.008[0.203].
4. LEAD DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION.
5. MAXIMUM AND MINIMUM SPECIFICATIONS ARE INDICATED AS FOLLOWS: MAX/MIN
6. PACKAGE TOP DIMENSION MAY BE SLIGHTLY SMALLER THAN BOTTOM DIMENSION.

Rev. 03

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